

ABSTRACT

5 A method for transmitting data from several first stations (1a-1n), such as measuring stations, to a second station (2), such as a data-collection station, comprises:

- transmitting, in a synchronisation time slot (5) of a time window (4), a synchronisation message (SYN) from the second station (2) to the first stations (1),
- 10 - transmitting, in a selection time slot (6) of the time window (4), selection messages (SEL) from the second station (2) to selected first stations (1),
- transmitting, in response time slots (8) of the time window (4), data from selected first stations (1) to the second station (2).

15 In order to save energy in the first stations, the selection messages (SEL) are transmitted in one single selection time slot (6) and its receiver (12) is switched off by each first station (1) if no respective selection message (SEL) has been transmitted.

20 FIG. 3

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